

MONSANTO

From: G.A. Grunmann CS6G Corporate Engineering (4-6112)

Date: September 20, 1985

cc: D.R. Bowers CS6G

L.V. Bumbicka 1740

Subj: Project Progress Meetings

R.M. Calles CS6G

M.A. Coco Alberici

J. Colling 1740

Re: CEA 3808 - Main South Trunk Sewer

R.J. Geile CS6G

E.F. Hartman CS6G

TO: J.J. Beckerle Alberici

P.R. Hoemann 1740

W. Bodine Alberici

L.C. Kreh F2ED*

T.N. Carrico 1740*

F.A. Mayse CS6G

W.C. Koester Alberici*

B.W. Stekettee 1740*

K.W. Lichtenheld CS6G*

R.L. Wiese CS6G

C.J. Lotz Alberici*

R.L. Nelson 1740*

*Present at meeting

K.W. Petterson 1740*

**Part time

R.C. Martini 1740*

O.N. Shipley 1740

R. Schlereth Fleischer Seeger**

Following are minutes of the meeting held at the CED construction trailers on 9/19/85 at 9:30 a.m.

1. Construction Progress

- a. Hydro test of 2 exotherm joints passed. This allows manhole 1-EE to be water tested (9/20/85). All pipe between manholes 1-EE and 2-AA has been concrete encased. This allows piling to be pulled between these manholes (except for sheet piling at manhole 1-EE). Backfilling can then be completed.
- b. Approximately 20 joints will be tested on 9/20/85 between manholes 2-BB and 2-CC.
- c. All 42" pipe has been placed in the trench between manholes 2-AA and 2-BB. Joint installation work is in progress. Plan to test by the end of next week on this run.
- d. The bases for manholes 2-CC and 2-EE have been poured, and the walls are being formed.
- e. The cleanout has been installed on lateral L-34 and the remaining pipe encased. This lateral can now be totally backfilled.
- f. Sample house received and will be set 9/19/85.
- g. There is some muck in the trench between manholes 2-AA and 2-EE. This area needs to be dried up so base can be laid.

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- h. Work in progress on the section of pre-encased pipe that goes between manholes 1-JJ and 1-D-1.
- i. The sewer pipe on the north side of manhole 1-GG has been tied into the existing ACL line. Joints are complete and curing. The line will be encased Monday.
- j. Piling will be driven starting next week between manholes 2-CC and 2-DD.
- k. Cleanup of the area continues.

2. Internal Manhole Work

- a. Manhole 1-AA. Flume and floor brickwork are complete. Now bricking walls.
- b. Manhole 1-BB. The cloth strips are being applied today. The finish coat of furan will be applied Monday. Brickwork to start approx. 1 week from Monday (9/30/85).
- c. Manhole 1-CC. The final asphalt membrane layer will be installed starting 9/20/85. The furan membrane work will start immediately after this work is complete.
- d. It was noted that the cloth installation on the furan should be in sections approx. 38" x 38" maximum.
- e. Fleischer Seeger will need a fourth manhole to work on in about 2 weeks.

3. Jumpers

- a. The final details of the T-3 jumper should be resolved today. Lichtenheld. Alberici can then order the fittings.
- b. Manhole entry procedures required for the two manholes (4C and 33B). Martini and Carrico.
- c. Lichtenheld to make one final check of flows with Nelson.
- d. The T-3 jumper work is now scheduled to start 10/3. There are a number of reasons for proceeding with this work immediately:
 - 1) The ground water level is now very low and no dewatering will be required.
 - 2) The weather is good. (As opposed to winter installation.)

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- 3) We need to find out if we have any problems installing this jumper ASAP so we can make adjustments if necessary.

4. Department 245

- a. Piling for culvert pipe under track 4 to be driven starting on Monday, 9/23.
- b. A list of guidelines for working around the 245 area follows: (From Jody Colling)
 - 1) The tunnel will be installed 10/1 to 10/11.
 - 2) Exploratory digging is complete.
 - 3) Before starting the work between manholes 2-DD to 3-AA, the following items need to be accomplished.
 - a) Provide slab access north end of old CED warehouse pad.
 - b) Need forklift bridge across 2-CC to 2-DD trench for access to dept. 245 from south.
 - c) Finish exploratory digging (complete).
 - 4) 2-CC to 2-DD must be finished before starting north of dept. 245 on the 3-AA to 3-BB trench. (Possible problem area.)
 - 5) Look at providing access from the west to the east north of manhole 2-AA.
 - 6) Must have box car unloading dock access north of 3-AA to 3-BB excavation.
 - 7) Must modify east truck dock before starting 3-AA to 3-BB.
- c. In order to maintain the operation of dept. 245, work from manholes 3-BB to 3-CC may be restricted. (This situation needs to be reviewed to see if there is a way around this limitation.)
- d. The ground water level is currently very low north of dept. 245. Nonetheless, a dewatering pump is being installed by 9/20 at #11 hole to insure a dry excavation.

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5. ACL Shutdown

Nelson has furnished the following information pertaining to the ACL shutdown:

The present scheduled "maintenance turnaround" for dept. 251 (ACL) is to begin 11/12/65. The minimum outage presently scheduled is 12 days.

During the first day or day and a half, the dept. will be in a "wash down" phase. Upon completion of the wash down sewer flows will be minimized. There will be no major process flows in the existing 15" or 18". A small quantity of water will be flowing from the treatment facilities during this period.

The existing flows in the 18" sewer from the treatment facilities are: 450 gpm; temp of 20° to 30°C and a ph 1 to 1.5.

The suggested material of construction for the flume through manhole 1-DD for this stream is Fibercast CL2030 piping.

6. Miscellaneous

- a. The pipe from manhole 2-FF interferes with the 42" pipe coming out of manhole 2-CC. Two options are being reviewed:

- 1) The sewer pipe from manhole 2-FF may have to flow to manhole 2-DD.
- 2) Manhole 2-FF could be eliminated and pipe changes on existing manholes may be made.

Lichtenheld and Nelson to look at the existing manholes to determine their condition and suitability for this work.

- b. Construction will work this Saturday and will extract or drive piling. Carrico to handle permits.
- c. Procedures for tie-ins of each manhole have been discussed to manhole 2-AA. Martini and Petterson to publish these procedures for review and comment.
- d. Water is leaking into the portion of the trench that has been excavated east of manhole 2-CC. Petterson to resolve. (This is not a dewatering problem.)

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- e. Discussions were held pertaining to interpreting the Monsanto specifications for manhole wall and encasement tolerances relating to bulges and depressions. Alberici and Monsanto currently disagree. The discussion centered around manhole 1-DD. Resolution was delayed until the surfaces of manhole 1-EE can be checked after the water test is complete.

The next progress meeting will be held on Thursday, September 26 at 9:30 a.m. at the construction trailers. All Monsanto personnel are to meet prior to this meeting at 9 a.m.


Gordon Grundmann

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